

# Work Order ID 55219



Page 1

January 12, 2010 1:26:06 PM

Item ID: D4021-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Handle Plate

Start Date: 1/12/10 Start Qty: 4.00



Cust Item ID:

Required Date: 1/25/10 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: *RL*

Date: 10-1-12

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D4021

A-PRELIM

100

0.00



Waterjet

FLOW CNC Waterjet

Memo

Cut as per dwg D4021

Prog Rev: *PRF*

Dwg Rev: *Lim*

Deburr as required

0.00

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

*MF 10-1-18*

*RB 10-1-18*



110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Quality Control

Memo

0.00

*RB 10-1-18*

PRELIMINARY ISSUE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 55219

January 12, 2010 1:26:06 PM



Page 2

Item ID: D4021-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Handle Plate

Start Date: 1/12/10 Start Qty: 4.00



Cust Item ID:

Required Date: 1/25/10 Req'd Qty: 4.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120



QC

Quality Control

QC8- Inspect parts - second check

0.00

27 Siobolus

0.00

Memo

(x5)

140



Packaging

Packaging

Identify as per dwg & Stock Location: Basket

0.00

0.00

Memo

10 10.01.27 (5)

150



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

Memo

Handwritten: Prototype Basket test 10-01-30

MF 10-1-28

POSITIVE RECALL

EFFECTIVE \_\_\_\_\_ AUTH \_\_\_\_\_

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

January 12, 2010 1:26:10 PM

Work Order ID: 55219



Parent Item: D4021-1



Parent Item Name: Handle Plate

Start Date: 1/12/10

Required Date: 1/25/10

Comments: IPP RevA: new issue DD 09.11.25 verified by:EC

Start Qty: 4.00

Required Qty: 4.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

M304S11GA

Purchased

No

100

sf

92.1025

0.5158



304/316 0.125 Sheet

HB 10-1-18

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

MAT

112663

92.1025

92.1025

112663

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

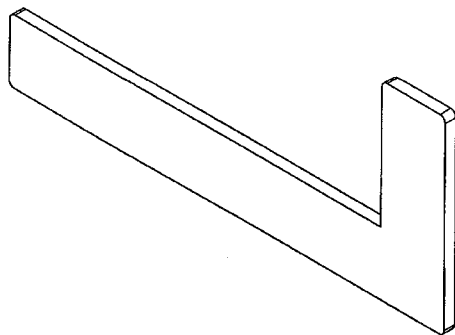
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

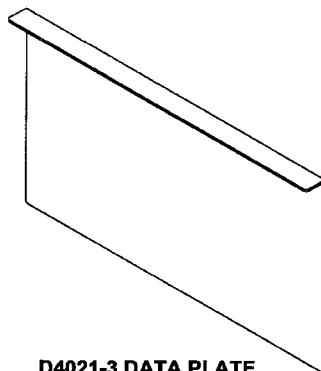
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

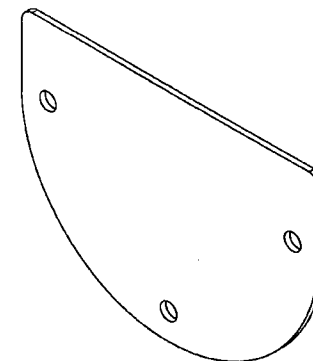




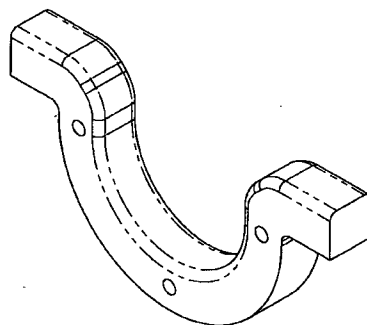
**D4021-1 HANDLE PLATE**



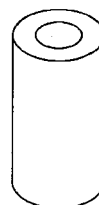
**D4021-3 DATA PLATE**



**D4021-5 BLANKING PLATE**



**D4021-7 HOOP**

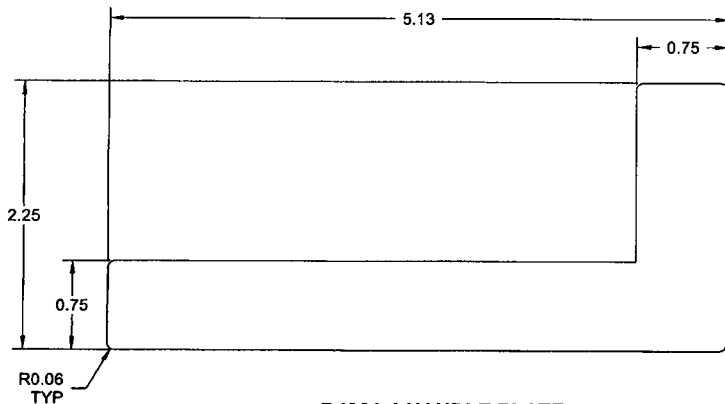


**D4021-9 BUSHING**

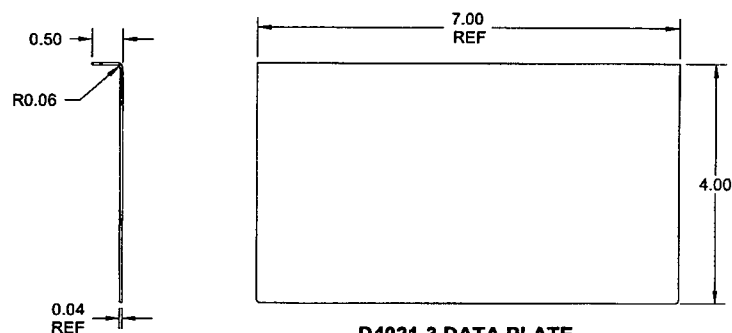
**PRELIMINARY ISSUE**  
ASS 10.01.15

A	PRELIMINARY (3) ADDED -3 DATA PLATE	AJS	09.12.03
A	PRELIMINARY (2) DELETED -3 SHEET 2 ZONE C8, 2.25 DIM WAS 3.00, ZONE D7, 5.13 DIM WAS 5.88. REASON: EASE OF ASSY AT NEXT ASSY.	AJS	09.12.02
A	PRELIMINARY (1)	AJS	09.11.18
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4021</b>	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		<b>MISC MACHINED PARTS 350 BASKET</b>	NTS
DATE	09.12.03	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	





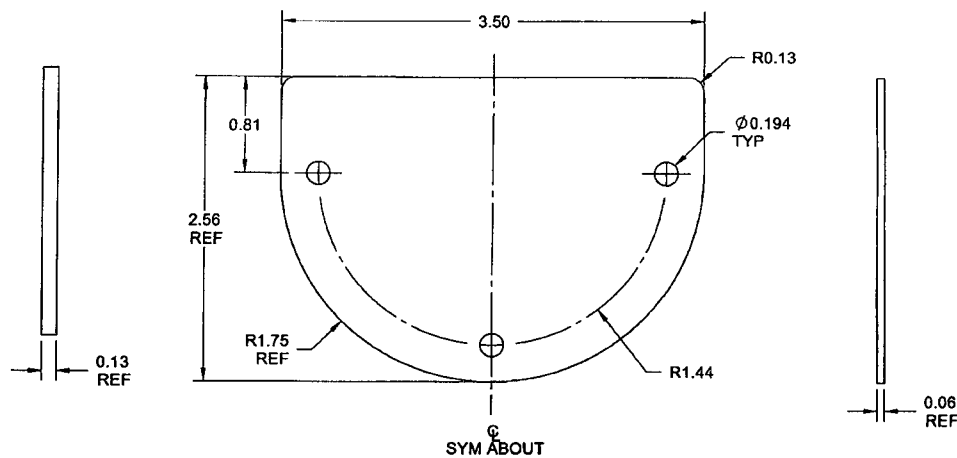
**D4021-1 HANDLE PLATE**



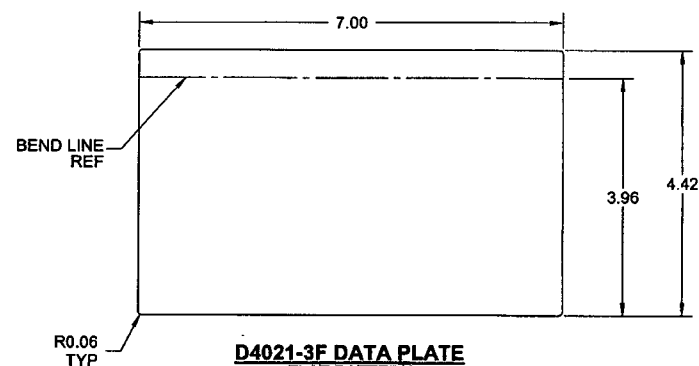
**D4021-3 DATA PLATE**  
MAKE FROM D4021-3F

**NOTES:**

- 1) MATERIAL -1: 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240 PER DART SPEC M304S11GA
- 3F: 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240 PER DART SPEC M304S20GA
- 5: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH, PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240 PER DART SPEC M303S18GA OR M304S16GA
- 2) FINISH -3 ONLY: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT -1: 0.18 lbs  
-3: 0.35 lbs  
-5: 0.14 lbs



**D4021-5 BLANKING PLATE**



**D4021-3F DATA PLATE**  
FLAT PATTERN

**PRELIMINARY ISSUE**  
ASS 10.01.15

DESIGN	AJS	<b>DART AEROSPACE LTD</b>	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D4021</b>	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		<b>MISC MACHINED PARTS 350 BASKET</b>	NTS
DATE	<b>09.12.03</b>	<small>COPYRIGHT © 2003 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

## Receiving Report

Date: 9/9/14

Batch No: M112663

Supplier: MAGNA

Dart P/O: 10386

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection ☒ N/A ☐  
 Work Order cr 10386 N/A ☒

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>VOID PO</u>						

Initials of receiver (if shipment OK) Level 12 h

Production/Admin: 09/09/18  
 Date  
 Received/Costing CL  
 Initial

Location \_\_\_\_\_

**Magna Stainless**

5775 Kieran St, Saint-Laurent QC H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

**INVOICE**

Pg 1 of 1 I016580

**RECEIVED****SEP 22 2009****SOLD TO:**

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY , ON  
K6A 1K7

**SHIP TO:**

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY , ON  
K6A 1K7

MTR:Y

INVOICE DATE:	09/14/09
ORDER DATE:	09/10/09
SHIP DATE:	09/14/09
ORDER NUMBER:	W018232
PURCHASE ORDER:	PO10386

Currency		Sales Person		Ship Via		F.O.B.		Terms	
CANADIAN DOLLARS		ERYCK BLAIS		NIR:R-557065-1		PREPAID		NET 30 DAYS	
Ln	Back Ordered	Ordered	Unit	Description		Shipped		Price Per	Value
		1	PC	ALUMINUM PLATE APL 6061 T6 1/4" x 48" x 96" L030701 1 PC/115 LB		1 UN		425.00	425.00
		3	PC	ALUMINUM ROUND BAR ARB 6061 T6 3/4" x R/L L030643 20' 3 PC/31 LB MUSY USE HT 7547		3 UN		24.00	72.00
		1	PC	STAINLESS FLATS SFL 304 3/4" x 2-1/2" x R/L L030099 14'1" 1 PC/92 LB		1 UN		272.00	272.00
		4	PC	STAINLESS SHEET SSH 304 2B 11ga x 48" x 96" L030454 4 PC/672 LB		4 UN		335.00	1,340.00

09/15/09 11:12:17

Merchandise:	2,109.00
Surcharges:	
No Tax Costs:	
GST	105.45
Total Due:	2,214.45

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Q.S.T. # 1213236471  
G.S.T. # 881565899 RT0001

## Purchase Order Receipt Listing

Page 1 of 1

September 18, 2009 9:22:02 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO10386 Receipt Dates from 9/18/09 to 9/18/09 All Line Item Types

All Item ID/GL/WOs   All Rec. Employees   All Currencies

Grouped by Vendor ID

[illegible]



# Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

## PACKING LIST

I016580

Page: 1 of 1

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Contact: CHANTAL

HAWKESBURY, ON  
K6A 1K7  
Ship Terms: PREPAID

STOCK

SPECIAL INSTRUCTIONS

MAGNA  
Q.C.  
MTR:Y

Currency	Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS	ERYCK BLAIS	(613) 632-5200	(613) 632-1053	PO10386	
Sales Order	Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W018232	NET 30 DAYS	NIR:R-557065-1	09/10/09	09/14/09	09/14/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
1		PC	ALUMINUM PLATE APL 6061 T6 1/4" x 48" x 96" ✓ 115 LB / 1 PC	L030701	S29050289	1
3		PC	ALUMINUM ROUND BAR ARB 6061 T6 3/4" x R/L ✓ 20' 31 LB / 3 PC	L030643	7547	3
			MUSY USE HT 7547			
1		PC	STAINLESS FLATS SFL 304 3/4" x 2-1/2" x R/L 14'1" 92 LB / 1 PC	L030099	235875	1
4		PC	STAINLESS SHEET SSH 304 2B 11ga x 48" x 96" ✓ 672 LB / 4 PC	L030454	0584949	4
Ship with W018228 Bundles: 1 Skids: 1				Total	Weight:	910 LB

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO10386**

Purchase Order Date 9/10/09  
PO Print Date 9/10/09

Page Number 1 of 3

Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

**FAXED**  
09/10/09

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6S.250	6061T6 SHEET .250	9/10/09 Yes	✓ 32.00 sf	Yours ppd 10/9/14	\$13.2800	\$424.96
Special Inst:			MAT: 6061-T6/T62 ALUMINUM SHEET SPEC: QC-A-250/11 OR AMS-QC-A- 250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209				
2	M6061T6R0.625	6061-T6 Round Bar .625"	9/10/09 Yes	60.00 f	Yours ppd	\$0.8250	\$49.50
Special Inst:			MAT: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR SPEC: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A- 200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221				
3	M6061T6R0.750	6061-T6 Round Bar .750"	9/10/09 Yes	✓ 60.00 f	Yours ppd 10/9/14	\$1.2000	\$72.00
Special Inst:			SAME AS ABOVE				

**MATERIAL CERTIFICATION**

**REQ'D UPON DELIVERY**

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 3

Change Date: 9/10/09



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09

PO Print Date 9/10/09

Page Number 2 of 3

Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

4	M6061T6R1.125	6061 ROUND BAR 1.125	9/10/09 Yes	12.00 f	Yours ppd	\$4.1600	\$49.92
			Special Inst: SAME AS ABOVE				
5	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	9/18/09 Yes	12.00 f	Yours ppd	\$7.6600	\$91.92
			Special Inst: MAT: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR SPEC: QC-A-225/8 OR AMS-QC-A-225/8 (OR AMS 4117/4128/4115/4116) OR QC-A- 200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221				
6	M6061T6B0.500X01.000	6061-T6 Bar .500 x 1.00	9/18/09 Yes	24.00 f	Yours ppd	\$18.3300	\$439.92
			Special Inst: SAME AS ABOVE				
7	M6061T6B2.000X03.500	6061-T6 Bar 2.00 x 3.50	9/18/09 Yes	24.00 f	Yours ppd	\$25.8300	\$619.92
			Special Inst: SAME AS ABOVE				
8	M304B0.500X2.500	304 BAR .500 x 2.50	9/10/09 Yes	60.00 f	Yours ppd	\$15.0000	\$900.00

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Special Inst:

MAT: AISI 304/316 STAINLESS STEEL  
BAR (NOTE: AISI 303 NOT APPLICABLE)

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 3

Change Date: 9/10/09



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09

PO Print Date 9/10/09

Page Number 3 of 3

Order From :

VC-MAG002

MAGNA STAINLESS  
5775 RUE KIERAN  
ST LAURENT, QC H4S 0A3  
CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

9	M304B0.750X2.500	304 BAR .750 X 2.50	9/10/09 Yes	48.00	Yours ppd f New 1/4"	\$27.9200	\$1,340.16
---	------------------	---------------------	----------------	-------	-------------------------	-----------	------------

Special Inst: SAME AS ABOVE

10	M304S11GA	304/316 0.125 Sheet	9/10/09 Yes	✓ 128.00 sf	Yours ppd	\$10.4700	\$1,340.16
----	-----------	---------------------	----------------	----------------	-----------	-----------	------------

Special Inst: MAT: AISI 304/316 SS SHEET  
ANNEALED 28 FINISH  
SPEC: MIL-S-5059 OR AMS 5513(304) OR  
AMS 5524 (316) OR ASTM A240 OR  
ASME SA240

PO Total: \$5,328.46

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Change Nbr: 3

Change Date: 9/10/09

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



# Acciaierie Valbruna S.p.A.



## ATTESTATO DI CONTROLLO - WERKSZEUGNIS TEST REPORT - RELEVÉ DE CONTRÔLE EN 10204, 2.2

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Kunden/Klient

VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT

CDN - MILTON, ONT L5T 5Z1 - CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Hersteller/Hersteller/Hersteller

Avviso di Spedizione: D-VI03030068  
Lieferanweisung/Lieferungsbefehl

Certificato nr: MEST055086/2003/  
Prüfung/Test/Essay

Conferma ordine nr: EI03007768  
Werk's Our Order/Rei n

Marchio di fabbrica:  
Zeichen des Lieferwerkes  
Trasse mark  
Sigle de l'usine: produce



Oggetto Prove: Descaled Annealed Hotrolled  
Prüfgegenstand/Inspected/Festlage

Tipo di Elaborazione: E+AOD  
Erweiterungsart/Erweiterungsprozess/Mode de fabrication

Punzone del Collaudatore:  
Stempel des Werksachverständigen  
Inspector's stamp-Ponçon de l'essayeur

### Specifiche:

Anforderungen / Requirements / Exigences

VAL CANADA 2 304/304L A (1)

ASME (1) SA182 2001 S30400/03 (0)

ASME (1) SA479 2001 S30400/03 (0)

ASTM A262 2002 PRAC. A.C. & E (0)

ASTM A320 2001 B8 (0)

MIL-S-862 B/1 304/304L (0)

(0) SEC II PTA 2001 EDITION

(0) Chemical analysis only

(1) SEC II PTA 2001 EDITION

(2) SEC II PTA 2001 EDITION

(3) SEC II PTA 2001 EDITION

(0) Chemical analysis only.

AMS 5639 H S30400 (1)

ASME (1) SA193 2001 B8 (1)

ASTM A182 2000C S30400/03 (4)

ASTM A276 2000A S30400/03 (0)

ASTM A479 2001 S30400/03 (0)

NACE MR0175 2002 S30400/03 (1)

AMS 5647 H S30403 (0)

ASME (1) SA320 2001 B8 (2)

ASTM A193 2001A B8 (0)

ASTM A314 97 S30400/03 (0)

ASTM A484 2000 (0)

QQ-S-763 F 304/304L (0)

OK  
P. 05.12

Qualità: T304/L

Verisloft/Qualitätsklasse

Marca: AISI

Markenbezeichnung/Marking/Markage

Punzonatura

Kenzeichnung/Marking/Markage

Pos. nr. Pos. nr. Nr. de poste	Oggetto Gegenstand Produit/Description Description du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Toleranz Tolérance	Lunghezza - Ft Länge Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pièces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr Lot nr Lot nr
0070	Flat	2,5000 0,7500	A48494A	12 / 14	235875		7.269	20311930

Sono state soddisfatte tutte le condizioni richieste

Die gestellten Anforderungen sind in Anlage erfüllt

The material has been furnished in accordance with the requirements

Le matériel a été fourni conforme aux exigences

TEST	Prova Sonderprüfung Essai Essai mm	°F	Peso Gewicht Poids Poids	Snervamento Zugversuch Traction Traction Rp 0,2% K.s.i.	Snervamento Zugversuch Traction Traction Rp 0,2% K.s.i.	Resistenza Zugversuch Traction Traction Rm K.s.i.	Allungamento Zugversuch Traction Traction E 2" %	Strizione Zugversuch Traction Traction RA %	Resistenza Zugversuch Traction Traction °F	Durezza Härte Hardness HB
Valori richiesti 1 Anforderungen Requirements	min max			30	-	75 115	- 40	- 50	-	140 223
A	12.50	68	L	50		93	58	70		182

Grain size for ASTM E112

6

1) L=longitudinal; T=transverse; Q=quadrant; T=tangential

### Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata: Schmelze Heat Coulée	- min 0,050 max	1,00	2,00	18,00 20,00	1,50	1,00	8,00 10,50	0,040	0,030	0,100						
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N2 %					
235875	0,015	0,54	1,58	18,28	0,43	0,72	8,20	0,080	0,026	0,026	0,082					

Made in Italy. No welding or weld repair.

Material free from Mercury or radio-activity contamination.

Vicenza, 23/10/03

Mod. 010.006

Il collaudatore di stabilimento

der Werksachverständiger/Werkssachverständiger/Agent d'usine

M. Pizzotto

Pagina - 1 di 2

# Acciaierie Valbruna S.p.A.



ATTESTATO DI CONTROLLO - WERKSZEUGNIS  
TEST REPORT - RELEVÉ DE CONTRÔLE  
EN 10204, 2.2

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Clienti / Besteller/Purchaser/Caent

VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT

CDN - MILTON, ONT L5T 5Z1 - CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Hersteller/Hersteller/Hersteller

Avviso di Spedizione: D-VI03030068  
Lieferantenge-Fracking hat 0 L

Ordine nr: 309-929 / STOCK (2)  
Bestell/Your order-Commande

Certificato nr: MEST055086/2003/  
Prüfung/Test/Essai

Conferma ordine nr: E103007768  
Werks/Our Order/Nr

Marchio di Fabbrica:  
Zeichen des Werks/Hersteller  
Ende mark,  
Siglo der usine/produit



Oggetto: Prove: Descaled Annealed Hotrolled  
Prüfung/Endform Inspected Finissage

Tipo di Elaborazione: E+AOD  
Erstellung/Anfertigung pieces-Mode d'elaboration

Prinzone del Collaudatore:  
Stempel des Werks/Hersteller/Inspektion  
Inspection: stamp/Prinzone de l'essayeur

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1960°F for 1 H/H2O.

Micro and macro etch test: OK

Intergranular corrosion test per ASTM A262,02 pr. A,C&E: ok

The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, s. 4.3 by TÜV and LLOYD'S

Vicenza, 23/10/03

Mod. RB.006

Il collaudatore di stabilimento

der Werks/Hersteller/Inspektion

M. Rizzotto

Pagina - 2 di 2

## Material Test Report

Customer Ship To:

Magna Stainless Inc.  
5775 Kieran St.

St-Laurent

QB H4S 0A3

Our Order: 363645 - 2

Your PO # P006376

Part # 05593-000-240

Die: ES05593

Description: .750

Alloy Temper 6061 T6

Print Date: 8/25/2009

### Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-.40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

### Mechanical Properties

#### Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
117652	8/25/09	7547	47.26	41.86	18.6

Applicable Specifications: ASTM B221-08 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Doug Barnes - Tensile Testing

Authorized

  
Evan Eng, Quality Assurance Mgr.

P006376

1548

MILL TEST CERTIFICATE	No: 3451	CERTIFIED SRAC-IQNet	vimetco SLATINA
	Date: 7/2/2009	ISO 9001/2001 No. 10/4-2008	

CUSTOMER :

CONTRACT/ORDER : P.O. 1548  
BILL OF DELIVERY : 80047152  
TRUCK/CONTAINER : ZCSU 2700132

SHIPMENT OF 47,514.065 LBS ALUMINUM PLATES BRUSHED SURFACE AND SHEETS MILL FINISH IN ALLOY 6061 T651/T6, ACCORDING TO ASTM B-209-07, AMS-QQ-A-250/11 ED. 1997, AMS 4027N ED 2008, ANSI H35.2-2006 FROM CONSTANTA ROMANIA TO TORONTO, CANADA

MATERIAL : ALUMINIUM PLATES  
ALLOY : 6061  
DIMENSIONS (mm) : 70014501 - 0.250"THX48.50"WDX96.50"LT  
70014502 - 0.375"THX48.50"WDX96.50"LT

TEMPER: T651

ACCORDING TO : ASTM B209; AMS-QQ-A-250/11; AMS 4027N; ANSI H35.2

ACTUAL MECHANICAL PROPERTIES												1 MPa = 1 N/mm2 = 0.145 ksi = 0.102 kgf/mm2			
1 lbs = 0.4536 kg				UTS		YTS		Elong. %		Hardness					
				KSI		KSI		50mm		HB					
Specified values:				min.	max.	min.	max.	min.	max.	min.	max.				
				42		35		10							
LOT / BATCH		CASE		NET WEIGHT lbs		Measured values:									
70014501 S29050289		14357;14367		4,744.352		46 46.1		40.4 39.8		16 15					
70014502 S29050289		14363;14529		4,761.989		45.7 45.8		38.7 39		18 17					
ACTUAL CHEMICAL ANALYSIS %															
BATCH		Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	Al		
S29050289		0.73	0.46	0.27	0.1	0.99	0.073	0.007	0.057	0.019	0.001	0.001	REM.		
S29050289		0.73	0.46	0.27	0.1	0.99	0.073	0.007	0.057	0.019	0.001	0.001	REM.		
As. Standard	Min.	0.4		0.15		0.8	0.04						REM.		
	Max.	0.8	0.7	0.4	0.15	1.2	0.35	0.05	0.25	0.15	0.05	0.05			
Remarks:						Other-Each- Max.: 0.05				OthersTotal- Max.: 0.15					

REMARKS

ACCORDING TO: ASTM B 209-2007; AMS-QQ-A 250/11:1997; AMS 4027N:2008; ANSI H35.2-2006

We hereby certify that the material detailed hereon has been produced and tested according to the requirements of the relevant specification and/or order. Keep in dry conditions, without large temperatures variations. The differences between metal and air must be max 11 degrees C.

According to EN 10204:2004 3.1

QUALITY CONTROL DEPT.

S.G. ALRO S.A. SLATINA  
Punct de lucru Slatina  
Str. Milcov, Jud. Ok  
Serv. CTC Director

ALRO S.A. No.116, Pitești Street Phone: +(40) 0249 435 117; 0249 432 956 alro@alro.ro  
230048-Slatina-ROMANIA Fax: +(40) 0249 411 487; 0249 416 892 www.alro.ro



cod 11/PO-051/Rev.0/2007

2006496-S29050289 (1/4...)

## TA CHEN INTERNATIONAL CORPORATION

www.tachen.com

## MILL TEST REPORT

MTR#: TXCL1594 Customer#: MAGDOR PO#: P006327 SO#: PE6925  
 Item#: 11GA4863042B Bundle#: H357230900 Header: 0584949

This MTR contains 1 page (page: 1)

A company  
of ThyssenKrupp  
Stainless

## ThyssenKrupp Mexinox

## TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE):

MEXINOX USA

PRODUCT IDENTIFICATION  
IDENTIFICACION DEL PRODUCTO

ITEM No.	COIL No. No. DE ROLLO	PIECES PIEZAS	HEAT COLADA No.	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES	GROSS WT. PESO BRUTO	NET WT. PESO NETO
1	693635 AAAG	19	0584949	304 / 2B UNS S30400	48.00 X 98.00 X 1201 1219.20 X 2438.40 X 3050	3.113 1.412	2.954 1.340

CHEMICAL COMPOSITION  
COMPOSICION QUIMICA (%)

ITEM	C	Cr	Mn	N	Ni	P	S	Si	OTHER ELEMENTS (OTROS ELEMENTOS)					
1	.0440	18.1800	1.2400	.0550	8.0200	.0270	.0010	.3300						

MECHANICAL PROPERTIES  
PROPIEDADES MECANICAS

ITEM No.	TEST No. No. MUESTRA	D	TENSILE S. R. TENSION	YIELD S. R. FLUENCIA	ELONGATION ALARGAMIENTO	HARDNESS DUREZA HRB
1	A760575 A760575	E	90068 psi 621 MPa	33685 psi 275 MPa	61.0	(HEAD) 82.0 / 82.0

THIS MATERIAL IS DPAE 225.872-1 CLAUSE COMPLIANT. HEAT SOURCE: ITALY

THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240M-08 STD. NOM. AND IT COMPLETES ALSO WITH THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STDS.:  
 ASME SA240-95, QQ-S-766-D, MIL-S-3058-D, AMS 5513G.

\*THIS MATERIAL IS FREE OF MERCURY CONTAMINATION\*



We hereby certify that in recognition of the terms and conditions set forth in the EU RoHS Directive 2002/95/EC, we can insure that all of our products and processes fully comply with it.

HECHO EN MEXICO / MADE IN MEXICO



MILL ORDER No. No. DE PEDIDO	A537 - 6	PACKAGE (EMPAQUE) No. H3572309	60
CUSTOMER PURCHASE ORDER No.	L26119	DATE (FECHA)	JUL-07-09
CODE PART NUMBER		REPORT (CERTIFICADO) No.	EK2516

PRINTED: 11:44:49 JUL-13-09

FORM MTR No. 24 - 027 - 02 Rev. 2

8/13/2009

file:///C:/TEMP/VictorKluth\MTR.htm